

AMENDMENTS TO THE CLAIMS

The listing of claims below replaces all prior versions of claims in the application.

1. (Withdrawn): A method for forcibly inserting a drop of a molding material into a concave of a molding female die in a compression molding machine, wherein a molten synthetic resin extruded from an extrusion opening formed at the edge of an extrusion die head is formed into a determined quantity of the drop by holding and then cutting or cutting and then holding by a holding mechanism and a cutter placed at a synthetic resin accepting position which opposes to the extrusion die head, the drop is held and conveyed by the holding mechanism, and the drop held at a discharging position on a molding female die is forcibly inserted and fed into the concave of a molding female die while the holding is released.

2. (Currently Amended): A method ~~for continuously of~~ supplying a drop ~~of a molding material into a moving molding die in a compression molding machine which is a method for supplying a drop in molding die follow-up manner, wherein a holding mechanism of the drop on a rotary and movable type drop supply is made to approach the rotating molding die and the rotation path of the holding mechanism is made to overlap or nearly overlap with that of the molding die within a determined area and the movement of the molding die is made to follow that of the holding mechanism, or the movement of the holding mechanism is made to follow that of the molding die within a determined area, and the holding of the drop held and conveyed by the holding mechanism is released on the overlapped or nearly overlapped rotary path, to~~

insert the drop into the concave of the molding female die for supply to a compression molding machine comprising:

moving a molding die along a first path;

moving a holding mechanism along a second path,

making a following area where the first path and the second path substantially overlaps;

synchronizing the movement of the molding die and the movement of the holding mechanism in the following area;

carrying the drop by the holding mechanism to the following area; and

transferring the drop from the holding mechanism to the molding die in the following area.

3. (Withdrawn): A device for forcibly inserting a drop of a molding material into a concave of a molding female die in a compression molding machine, which comprises following means: an extruding means for extruding a synthetic resin molding material which forms it into soften and molten condition by heating plasticization, an extrusion opening formed at the edge of an extrusion die head attached to the extruding means, a holding mechanism formed at a synthetic resin accepting position opposing to the extrusion die head, for holding the molten synthetic resin extruded from the extrusion opening, a cutter for cutting the synthetic resin into a determined quantity of the drop, and a supplying means for conveying the drop into a discharging position provided on the molding female die and the held drop is forcibly inserted into the concave of the molding female die with releasing the holding.

4. (Withdrawn): A device for continuously supplying a drop of a molding material into a moving molding die in a compression molding machine which is a device for supplying a drop in molding die follow-up manner, wherein a holding mechanism on a rotary-and movable type drop supply is made to approach the rotating molding die and the rotation path of the holding mechanism is made to overlap or nearly overlap with that of the molding die within a determined area and the movement of the holding mechanism is made to follow that of the molding die, or the movement of the molding die is made to follow that of the holding mechanism, and the holding of the drop held and conveyed by the holding mechanism is released on the overlapped or nearly overlapped paths of rotation, to insert and supply the drop into the concave of the molding female die.

5. (Currently Amended): The method ~~or device for~~ of supplying a drop ~~in mold follow-up manner~~ according to ~~claim 2 or 4~~ claim 2, wherein, in the transferring step, the drop ~~held on the discharging position provided on the female mold is supplied by~~ released from the holding mechanism is forcibly inserted into the concave of the ~~molding die female mold with releasing the holding~~, when the holding of the drop held and conveyed by the holding mechanism is ~~released on the overlapped or nearly overlapped paths of rotation, to insert and supply the drop into the concave of the molding female die.~~

6. (Currently Amended): The method ~~or device for inserting or continuously of~~ supplying a drop ~~into a concave of a female mold~~ according to ~~any one of claims 1 to 4~~ claim 2, wherein ~~the rotary and movable type drop supply having plurality of a plurality of holding mechanisms is used, the first path is a rotary path,~~ and the compression molding machine ~~is a rotary compression molding machine which uses the rotary type having~~ has a plurality of the molding dies consisting of male and female molding dies.

7. (Withdrawn): The method or device for forcibly inserting a drop into a concave of a female mold according to claim 1 or 3, wherein the method for forcibly inserting the drop into the concave of the female mold is a forcible method for dropping in which the holding mechanism to hold the drop is lowered at accelerating speed or at a constant speed by inertia.

8. (Withdrawn) The method or device for forcibly inserting a drop into a concave of a female mold according to claim 7, wherein a lift block is provided for lowering the holding mechanism to hold the drop at accelerating speed or at a constant speed by inertia.

9. (Currently Amended): The method ~~or device for~~ of supplying a drop in molding die follow-up manner according to ~~claim 2 or 4~~ claim 2, wherein the first path is ~~rotation path of the moving molding die is a circular path and the holding mechanism on the movable type drop supply in molding die follow-up manner can move elastically or perform rotation within a radius of rotation which elastically moves~~ and the second path is a circular path with a variable radius.

10. (Currently Amended): The method ~~or device for~~ of supplying a drop in molding die follow-up manner according to ~~claim 2 or 4~~ claim 2, wherein ~~the holding mechanism on the rotary and movable type drop supply is made to approach the rotating molding die, while the second path is a circular path, and the holding mechanism is made to tilt at a specific angle to the tilted to a normal line of the rotary and movable type drop supply the circular path so that the rotation the second path of the holding mechanism is made to overlap or nearly overlap with that of the molding die~~ substantially overlaps the first path within a determined the following area.

11. (Currently Amended): The method ~~or device for~~ of supplying a drop in molding die follow-up manner according to ~~claim 2 or 4~~ claim 10, wherein ~~the holding mechanism on the rotary and movable type drop supply is made to approach the rotating molding die when it rotates, while the holding mechanism is moving moves along a guide by a cam provided outside the rotary and movable type drop supply and a cam follower integrated with the holding mechanism, the rotation path of the holding mechanism is made to overlap or nearly substantially overlap with that the first path of the molding die within a determined the following area so that the movement of the holding mechanism is made to follow that of the mold or the movement of the mold is made to follow that of the holding mechanism.~~

12. (Currently Amended) The method ~~or device for~~ of supplying a drop in molding die follow-up manner according to claim 11, wherein the holding mechanism further follows the

position of the molding die by oscillation when the holding mechanism is made to approach the rotating molding die.

13. (Currently Amended): The method ~~or device for~~ of supplying a drop in molding die follow-up manner according to claim 11, wherein the holding mechanism is supported by a support, the support is biased ~~or held on with being applied force toward the exterior of~~ outward with respect to a wheel on which the holding mechanism is attached, the cam follower abutting on the cam is set so that the holding mechanism does not move outward from the position, the support moves ~~inward and outward~~ along the guide whose angle ~~varying so that the angle can be set~~ is varied to set at a specific angle toward the normal line ~~or curve of the cam or the angle is optimal so that~~, while the support moves along the guide, the holding mechanism abuts the die as appropriate and approaches the ~~rotating~~ molding die to make the second path of the holding mechanism ~~overlap or nearly substantially overlap with that the first path~~ of the molding die within a determined following area ~~and make the movement of the holding mechanism follow that of the molding die or make the movement of the molding die follow that of the holding mechanism.~~

14. (Currently Amended): The method ~~or device for~~ of supplying a drop in molding die follow-up manner according to ~~claim 2 or 4~~ claim 2, wherein the ~~rotary and movable type~~ holding mechanism is supported by a fixing member moved on the second path around the eccentric circle, a moving path of the fixing member is controlled by a controlling guide

provided on the path of the fixing member or the cam within ~~a determined~~ the following area in which the fixing member approaches the rotating molding die to make the path of the holding mechanism overlap or nearly overlap with that of the molding die and make the movement of the holding mechanism follow that of the molding die or make the movement of the molding die follow that of the holding mechanism.

15. (Currently Amended): The method ~~or device for~~ of supplying a drop in molding die follow-up manner according to claim 14, wherein the first path is a circular path, and the ~~rotary-~~ and movable-type holding mechanism is supported by an extension means provided on a conveying media ~~in a wrapping driving device~~ between two circular paths, the second path of the holding mechanism ~~overlaps or nearly~~ substantially overlaps with that the first path of the molding die ~~in a range of concentric circular path of a concentric circle by making comprise at least the a circular path concentric circle with the same as the circular path traced by the movable~~ molding die.

16. (Currently Amended): The method ~~or device for~~ of supplying a drop in molding die follow-up manner according to claim 15, wherein the holding mechanism is supported by a support, the support is ~~applied force toward the exterior of~~ biased outward with respect to a wheel on which the holding mechanism is attached, the cam follower abutting on the cam is set so that the holding mechanism does not move outward from the position, the support moves ~~inward and outward~~ along the guide, the support moves along the guide, while the support

approaches the rotating molding die ~~to make~~, the rotation path of the holding mechanism ~~overlap~~
~~or nearly overlap with that~~ substantially overlap the first path of the molding die within a
determined the following area ~~and make the movement of the holding mechanism follow that of~~
~~the molding die.~~

17. (Currently Amended): The method ~~or device for~~ of supplying a drop ~~in molding die~~
~~follow-up manner~~ according to claim 14, wherein the path around the eccentric circle is a path
formed by vertical or horizontal rotation.

18. (Currently Amended): The method ~~or device for~~ of supplying a drop in molding die
follow-up manner according to ~~claim 2 or 4~~ claim 2, wherein control is performed to adjust the
moving rate of the holding mechanism to that of the molding die in the following area ~~when the~~
~~moving path of the holding mechanism overlaps with the rotation path of the rotating molding~~
~~die.~~

19. (Currently Amended): The method ~~or device for~~ of supplying a drop into a molding
die according to ~~any one of claims 1 to 4~~ claim 2, wherein the molding which is molded in the
compression molding machine is a preform.